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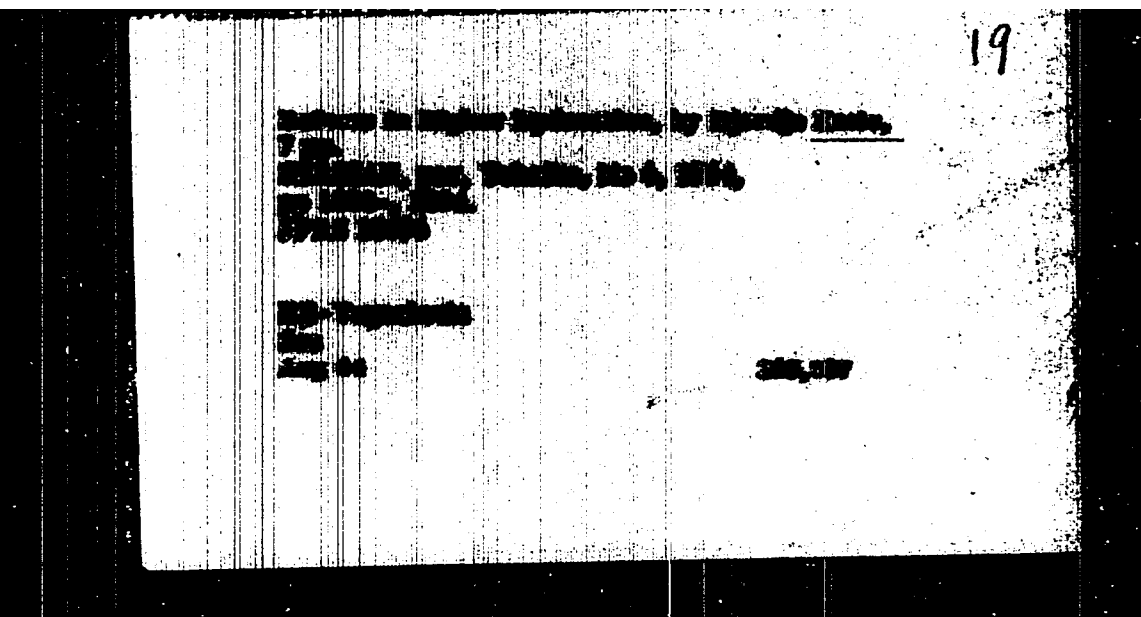
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8 pp.

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Order from SA \$22.00

SA Code-P-141

Trans. of published Japanese patent 12255/1962, cl.
16-B-51 (16-B-013) (16-B-68) appl. no. 283/1959 filed
31 Dec 58, pub. 28 Aug 62, by Ajinomoto Co., Ltd.

DESCRIPTORS: *Aldehydes, Synthesis (Chemistry),
*Oxo process, *Cobalt catalysts, Carbonyl radicals,
Carbon compounds, Monoxides, Hydrogen, Alkenes.

(Chemistry--Organic, TT, v. 10, no. 6)

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pub. 37-12 255
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Kato, Jiro, Wakamatsu, Hachiro and others.
EFFECTS OF SOLVENTS UPON THE OXO REACTION
OF ACRYLONITRILE. Rept. no. 1 of Studies on (beta)
Cyanopropionaldehyde. [1963] 9p. (figs. tables omitted)
15 refs.

Order from SLA \$1.10

63-16276

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 12, p. 2139-2142.

DESCRIPTORS: *Acrylonitriles, Oxo process,
*Glutamic acid, Solvent action, Synthesis (Chemistry),
Reduction (Chemistry), *Aldehydes, *Cyanoo radicals.

The effects of the solvents upon the oxo reactions of
acrylonitrile were investigated as the first stage for
the synthesis of glutamic acid from (beta) cyan propion
aldehyde through the oxo reaction of acrylonitrile.
Different from the ordinary olefines, the effect of the
(Chemistry--Organic, TT, v. 10, no. 7) (over)

63-16276

I. Title: β -Cyanopropional-
aldehyde

I. Kato, J.

II. Wakamatsu, H.

III. Title: Studies . . .

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PREPARATION OF AN AMMONIA AQUEOUS SOLUTION OF HYDROGEN CYANIDE AND ITS UTILIZATION: SYNTHESIS OF GLUTAMIC ACID FROM (BETA) CYAN PROPIONALDEHYDE. Rept. no. 5 of Studies on (Beta) Cyanpropionaldehyde. [1963] 13p. (figs. tables omitted) 15 refs.

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SLA TT-63-16275 KKK-65-4-1
Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65, no. 4, p. 552-556.

DESCRIPTORS: *Acrylonitriles, Oxo process, *Glutamic acid, Solvent action, Synthesis (Chemistry), Reduction (Chemistry), *Aldehydes, *Cyano radicals.

Hydrogen cyanide was synthesized in accordance with the Andrusow method which is ordinarily employed as a method for the industrial synthesis of hydrogen (Chemistry--Organic, TT, v. 10, no. 7) (over)

63-16275

I. Title: β -Cyanpropionaldehyde

I. Kato, J.

II. Hayashi, I.

III. Title: Synthesis . . .

IV. Title: Studies . . .

1247385

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Kato, Jiro, Wakamatsu, Hachiro and others.
SYNTHESIS OF (BETA) CYANPROPIONALDEHYDE BY
OXO REACTION. Rep. no. 2 of Studies on (Beta)
Cyanpropionaldehyde [1963] 10p. (figs. tables omitted)
16 refs.

Order from SLA \$1.10

63-16277

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 12, p. 2142-2143.

DESCRIPTORS: *Acrylonitriles, Oxo process,
*Glutamic acid, Solvent action, Synthesis (Chemistry),
Reduction (Chemistry), *Aldehydes, *Cyano radicals.

It was found that, in the oxo reaction of acrylonitrile,
there is less waste of (beta) cyan propion aldehyde in
connection with the decomposition of cobalt carbonyl
when such solvents as will carry out homomolecular
disproportionation with cobalt carbonyl like Lewis
(Chemistry--Organic, TT, v. 10, no. 7) (over)

63-16277

I. Title: β -Cyanpropional-
dehyde

I. Kato, J.

II. Wakamatsu, H.

III. Title: Studies . . .

1247383

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Kato, Jiro, Komatsu, Takashi and others.
CHEMICAL PROPERTIES OF (BETA)-CYANPROPION
ALDEHYDE. [1963] 14p. (formulas omitted) 17 refs.
Order from SLA \$1.60 63-16274

Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65,
no. 4, p. 548-551.

DESCRIPTORS: *Aldehydes, *Cyano radicals,
Chemical properties, Polymers, Polymerization,
Propionic acids, Oxidation.

(Chemistry--Organic, TT, v. 10, no. 9)

63-16274

1. Title: Cyanpropion
aldehyde
I. Kato, J.
II. Komatsu, T.

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Zero-Current and Polarity-Effect in Ionization
Chambers, by H. Tatsuta, K. Kato, 10 pp.

JAPANESE, per, Nihon Genshi-Ryoku Gakkaishi, Vol III,
No 8, 1961, pp 602-607. (9208255)

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1961, pp 139-143.

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